



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
  
BUREAU OF WATERSHED MANAGEMENT  
BUREAU OF WATERWAYS ENGINEERING

**ENVIRONMENTAL ASSESSMENT FORM (E.A. FORM)  
INSTRUCTIONS**

For more information,  
visit us through the Pennsylvania homepage at  
[www.state.pa.us](http://www.state.pa.us) or visit DEP directly at [www.dep.state.pa.us](http://www.dep.state.pa.us)

# ENVIRONMENTAL ASSESSMENT FORM (E.A. FORM) INSTRUCTIONS

## AQUATIC HABITAT STUDIES

### PART 1 - RESOURCE IDENTIFICATION

1. INDICATE WATER RESOURCES WHICH EXIST ON THE PROJECT SITE: For a desk analysis of the water resources which exist on the project site, refer to the United States Geological Service quadrangle maps for the project area. These maps are available for reference at the local county conservation district office. Refer to telephone directory under the County for the Conservation District. Also, these maps may be purchased from one of the retail establishments listed on the internet at [www.usgs.gov](http://www.usgs.gov).

Floodway and Floodplain information is available from the Department of Community and Economic Development, Strategic Planning and Operations Office, Floodplain Management Division, Forum Building, Harrisburg, PA 17120 or by calling 717-787-7403. Federal Emergency Management Agency (FEMA) maps are often available for reference at county and municipal planning offices.

The Soil Survey for your county along with the list of hydric soils for the county are helpful office references regarding wetlands. These are available from the County Conservation District. Refer to telephone directory under the County for the Conservation District.

In identifying and delineating wetlands on site, the 1987 Corps Wetland Delineation Manual and the 1988 Wetland Plant List for the Northeast Region 1 are essential. They may be obtained by contacting the following:

- \* The 1988 Wetland Plant List for the Northeast Region 1  
Publication No. PB89-128680  
Available from -  
The National Technical Information Service (NTIS)  
Springfield, VA 22161  
Price: \$26.00 plus \$3.00 for shipping and handling  
Major credit cards accepted  
For information call: 703-487-4650  
Fax orders call: 703-321-8547
- \* The 1987 Corps Wetland Delineation Manual  
Publication No. ADA 176734  
Available from -  
The National Technical Information Service (NTIS)  
Springfield, VA 22161  
Price: \$27.00 plus \$3.00 for shipping and handling  
Major credit cards accepted  
For information call: 703-487-4650  
Fax orders call: 703-321-8547

2. FOR INFORMATION ON THE RESOURCES LISTED, THE FOLLOWING REFERENCES ARE HELPFUL:

U.S.G.S. quadrangle maps contain valuable information, such as wild, natural, or wilderness areas, and National wildlife refuges and sanctuaries.

A current PA Recreation Guide Map locating state parks, state forests and state game lands is available from DCNR by calling 1-800-63PARKS or from state-owned recreation areas in Pennsylvania.

Prime farm land information is available from the County Conservation District Office.

## **ENVIRONMENTAL ASSESSMENT FORM (E.A. FORM) INSTRUCTIONS AQUATIC HABITAT STUDIES**

Be sure to mark either the "YES" or "NO" column for all questions.

- 3 & 4. Information on stocked waters and wild trout streams may be obtained from the Pennsylvania Fish and Boat Commission at:

Bureau of Fisheries  
Division of Fisheries Management  
450 Robinson Lane  
Bellefonte, PA 16823-9620  
Telephone: 814-359-5110

5. Copies of Chapter 93 are available from the Water Management Program in the DEP Regional Offices. A list of DEP Field Operations Regional Offices can be found in Appendix II of this section.
6. For information on National Wild or Scenic River corridors, and waterways designated as "Wild" or "Scenic" under the Pennsylvania Scenic Rivers Act, refer to Appendix IV. If your project area appears to be in a wild or scenic river corridor, contact the DCNR, Division of Conservation Partnerships, Scenic Rivers Program, P.O. Box 8475, Harrisburg, PA 17105-8475, phone 717-787-2316.
7. Contact the Bureau of Water Supply and Community Health in the appropriate DEP Regional Office for information on public water supplies. A list of DEP Field Operations Regional Offices can be found in Appendix II of this section.
8. Enclosure C - Description of Aquatic Habitat: This information is site specific and is based on data collected in the project area, observations and best professional judgment. The level of detail necessary in this study should be discussed with the Department. Contact the Soils and Waterways Section of your DEP Regional Office to arrange a preapplication meeting. For projects affecting one acre or more of wetlands or projects impacting more than 200 feet of stream, please refer to the listed references in Appendix I of this section.

### **PART 2 - PROJECT DESCRIPTION**

9. Project Impacts - Enclosure D

A. Discuss the Impacts:

If project will take place within or adjacent to any of the areas listed in 9A(1) through 9A(9) please discuss the proposed project's impact on the resource. Include the aerial extent of impacts such as the acreage of wetlands which will be filled, excavated, or inundated or the length of stream which will be relocated, enclosed, or inundated.

B. Discuss the Environmental Impacts:

Consider immediate and long term impacts on the entire local and regional ecosystems. Major areas of concern include:

- (1) Aquatic habitats - In addition to the items listed, please address the following concerns. Does the project impact fisheries? Will the activity impair the ability of these watercourses to continue to provide habitat or aquatic species? Special attention should be given to wild and stocked trout streams. Does the project demonstratively reduce or degrade habitat for

## **ENVIRONMENTAL ASSESSMENT FORM (E.A. FORM) INSTRUCTIONS**

### **AQUATIC HABITAT STUDIES**

terrestrial, aquatic and, or avian species? Is the degradation significant in a local or regional context? Will the degradation have an effect on biodiversity?

- (2) Water Quantity and Streamflow - Please discuss the items listed.
- (3) Water Quality - In addition to the items listed, please address the following concerns. Does the project degrade the water quality? Does it have an impact on water quality to the extent that the watershed's designated water use is impaired? (Refer to question #5 designated water use as indicated in Chapter 93).
- (4) Recreation - In addition to the items listed, please address the following concerns. Recreational boating may also need to be considered, regardless of the official designation, where there is a documented on-going use of the watercourse for boating, canoeing or other types of recreation.
- (5) Upstream And Downstream Property - Riparian rights are those rights which are derived from the ownership of real property underlying or bordering streams and rivers. The holder of riparian rights has no property right in the water itself but only a nonexclusive right to the water. No right to divert or consume a specific quantity of water is obtained. An individual's riparian right depends upon the equal rights of other riparian holders (upstream and downstream).

Historically, riparian rights have focused upon use. Recent court decisions also have held that riparian rights can be extended to the aesthetics of the watercourse for personal satisfaction or enjoyment. Riparian rights must be considered in cases where an increase or diminution of flow would result from the proposed activity and in cases where the direction of flow would be altered.

- (6) Other Environmental Factors - Include the impacts from any other environmental factors not specifically listed herein.

#### **C. Environmental Impacts On Other Adjacent Land And Water Resources**

Consideration should also be given to impacts of the project on adjacent water resources. Will the project adversely impact those resources indirectly, i.e. loss of hydrology, wildlife corridors, habitat, etc? Secondary impact assessment is intended to identify all potential permit issues and project impacts for the entire parcel of land.

#### **D. Cumulative Environmental Impacts To The Resource**

Identify and evaluate the cumulative impact of this project and other potential or existing projects like it. Cumulatively, do these piecemeal changes have a significant adverse impact on the resource?

#### **E. Describe Additional Dams, Water Obstructions Or Encroachments**

Dams, water obstructions and encroachments should be designed in consideration of future land use to assure proper adequacy for future development. The Department may require additional data relating to planning, subdivision and zoning.

**ENVIRONMENTAL ASSESSMENT FORM (E.A. FORM) INSTRUCTIONS  
AQUATIC HABITAT STUDIES**

**PART 3 - CERTIFICATION**

The Environmental Assessment will not be accepted unless the form is signed and dated.

- \* Note: Appendix II and III of this section provide addresses and telephone numbers for key DEP and U.S. Army Corps of Engineer's offices.

**ENVIRONMENTAL ASSESSMENT FORM (E.A. FORM)**  
**APPENDIX I**  
**AQUATIC HABITAT STUDIES**

Please consult the appropriate Regional Office before embarking on any of the studies listed below.

<p style="text-align: center;"><b>WET II</b></p> <p>Assessment:  WET II assesses wetland <u>functions and values</u>. It is a version of the Federal Highway Method (or Adamus Method) originally published as "A method for Wetland Functional Assessment, FHWA Report No. IP-82-24."</p> <p>Document:  <u>Wetland Evaluation Technique (WET), Volume II: Methodology Operational Draft</u>; 271 pp.  PB 89-143-028 (order number)</p> <p>Source:  National Technical Information Service (NTIS)  Springfield, VA 22161 (703) 487-4650</p>	<p style="text-align: center;"><b>IFIM</b></p> <p style="text-align: center;">Instream Flow Incremental Methodology</p> <p>Assessment:  IFIM assesses <u>stream habitat</u>. Plans (methodologies) of study, logic, and skills for decision-making are detailed in this technique.</p> <p>Document:  <u>Instream Flow Methodology</u>  PB-80-181-100 (order number)</p> <p>Source:  National Technical Information Service (NTIS)  Springfield, VA 22151 (703) 487-4650</p> <p>Additional Information:  National Ecological Research Center  U.S. Fish &amp; Wildlife Service/Aquatic Systems Br.  4512 McMurray Street  Fort Collins, CO 80525 (303) 226-9445  Course fees: Various; ranging from \$440 to \$550 per training session</p>
<p style="text-align: center;"><b>HEP</b></p> <p style="text-align: center;">Habitat Evaluation Procedure</p> <p>Assessment:  HEP assesses <u>environmental impacts</u> and <u>establishes guidelines</u> for resource management. It utilizes a Habitat Suitability Index (HSI) which is a system a mathematical models employed to compute values for selected species from field measurements of habitat variables. Developed in 1980 by the United States Fish and Wildlife Service.</p> <p>Document:  Habitat Evaluation Procedure  PB-81-189-896 (order number)</p> <p>Source:  National Technical Information Service (NTIS)  Springfield, VA 22161, (703) 487-4650</p> <p>Additional Information:  Courses are available on HEP through:  National Ecological Research Center  U.S. Fish and Wildlife Service Service/Terrestrial Br.  4512 McMurray Street  Fort Collins, CO 80525 (303) 226-9421  Course fees, approx. \$600.00 per session</p>	<p style="text-align: center;"><b>PAMHEP</b></p> <p style="text-align: center;">Pennsylvania Modified Habitat Evaluation Procedure</p> <p>Assessment:  PAMHEP is the <u>Habitat Evaluation Procedure modified for specific use in Pennsylvania</u>. It is utilized by the Fish and Game Commissions and other agencies in the Commonwealth.</p> <p>Document:  <u>PAMHEP Manual</u></p> <p>Source:  The text is out of stock; 300 original copies were published.</p> <p>Cost:  Not in print</p> <p>Contact Person:  Mr. Richard McCoy  United States Fish and Wildlife Service  315 South Allen Street, Suite 322  State College, PA 16801 (814) 234-4090  Mr. McCoy will supply a "loaner-copy" that must be returned. It may be photocopied; 155 pages approximate.</p>

# ENVIRONMENTAL ASSESSMENT FORM (E.A. FORM)

## APPENDIX II

### FIELD OPERATIONS REGIONAL OFFICES

<b>Office</b>	<b>County Responsibility</b>
<b><i>Southeast Office</i></b> - (610) 832-6000 John Kennedy, Assistant Director Permit Coordinator Lee Park, Suite 6010 555 North Lane Conshohocken, PA 19428-2233	Bucks, Chester, Delaware, Montgomery, and Philadelphia
<b><i>Northeast Office</i></b> - (570) 826-2511 David Lamereaux, Assistant Director Permit Coordinator 2 Public Square Wilkes-Barre, PA 18711-0790	Carbon, Lackawanna, Lehigh, Luzerne, Monroe, Northampton, Pike, Schuylkill, Susquehanna, Wayne, and Wyoming
<b><i>Southcentral Office</i></b> - (717) 705-4700 Mike Sherman, Assistant Director Permit Coordinator 909 Elmerton Avenue Harrisburg, PA 17110	Adams, Bedford, Berks, Blair, Cumberland, Dauphin, Franklin, Fulton, Huntingdon, Juniata, Lancaster, Lebanon, Mifflin, Perry, and York
<b><i>Northcentral Office</i></b> - (570) 327-3636 William Parsons, Assistant Director Permit Coordinator 208 West Third Street, Suite 101 Williamsport, PA 17701	Bradford, Cameron, Centre, Clearfield, Clinton, Columbia, Lycoming, Montour, Northumberland, Potter, Snyder, Sullivan, Tioga, and Union
<b><i>Southwest Office</i></b> - (412) 442-4000 Joseph Chnupa, Assistant Director Permit Coordinator 400 Waterfront Drive Pittsburgh, PA 15222-4745	Allegheny, Armstrong, Beaver, Cambria, Fayette, Greene, Indiana, Somerset, Washington, and Westmoreland
<b><i>Northwest Office</i></b> - (814) 332-6945 James Rozakis, Assistant Director Permit Coordinator 230 Chestnut Street Meadville, PA 16335-3481	Butler, Clarion, Crawford, Elk, Erie, Forest, Jefferson, Lawrence, McKean, Mercer, Venango, and Warren

### DEP CENTRAL OFFICE

**Bureau of Watershed Management**  
**Division of Waterways, Wetlands and Erosion Control**  
P.O. Box 8775  
Harrisburg, PA 17105-8775  
717-787-6827

**Bureau of Waterways Engineering**  
**Division of Dam Safety**  
P.O. Box 8554  
Harrisburg, PA 17105-8554  
717-787-8568

**ENVIRONMENTAL ASSESSMENT FORM (E.A. FORM)**  
**APPENDIX III**  
**U.S. ARMY CORPS OF ENGINEERS DISTRICT OFFICES**

**Delaware River Basin**

Philadelphia District Corps of Engineers  
Wanamaker Bldg.  
100 Penn Square East  
Philadelphia, PA 19107

Phone: 215-656-6725  
Phone: 215-656-6729 (to report violations)  
Fax: 215-656-6724

**Ohio River Basin**  
**Portions of Lake Erie and**  
**Genesee River Basins Located in Pennsylvania**

Pittsburgh District Corps of Engineers  
Regulatory Branch  
1000 Liberty Avenue  
Pittsburgh, PA 15222

Phone: 412-395-7152  
Fax: 412-644-4211

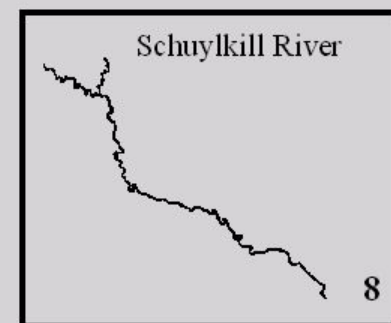
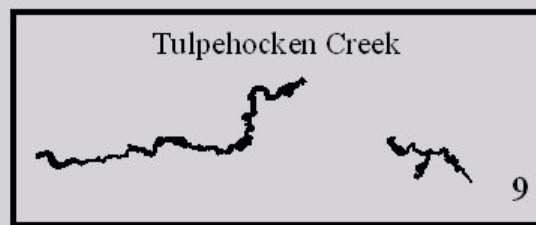
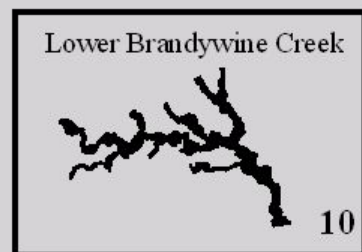
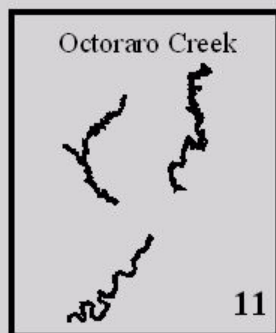
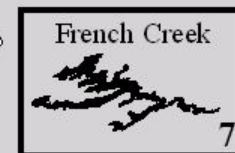
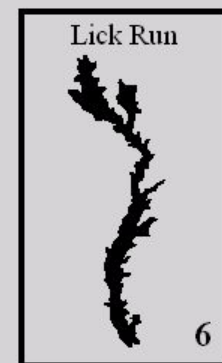
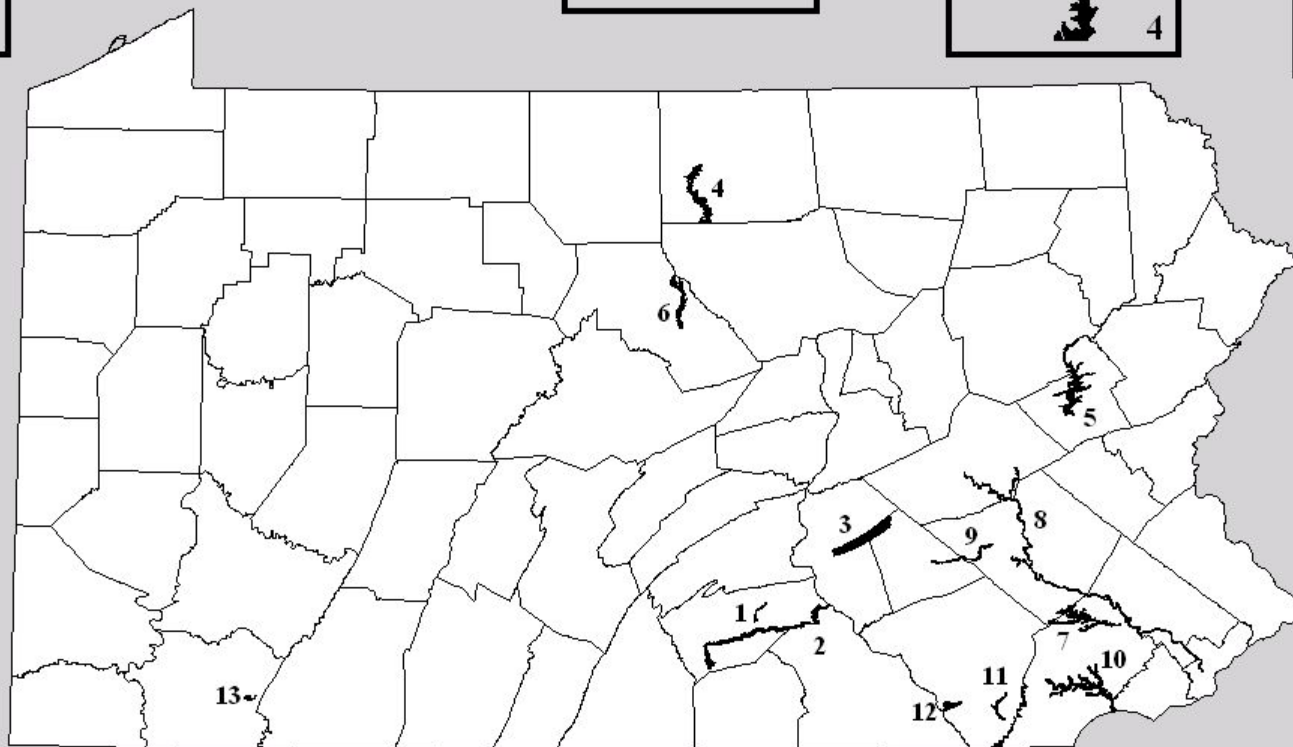
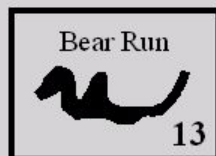
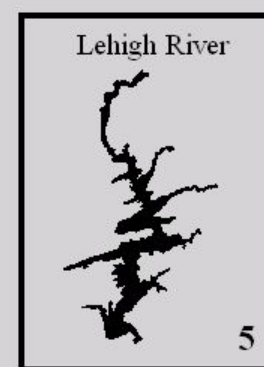
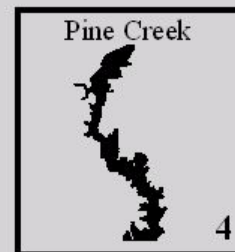
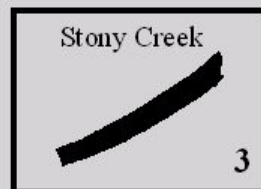
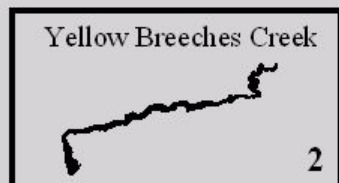
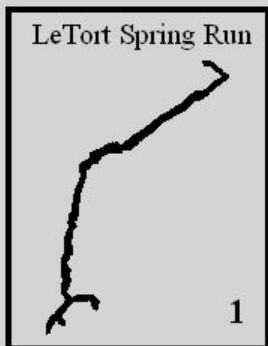
**Susquehanna River Basin**

Baltimore District Corps of Engineers  
P.O. Box 1715  
Baltimore, MD 21203-1715

Phone: 410-962-1846 (concerning projects in PA)  
or 814-235-0570



# *Pennsylvania Scenic Rivers*



SCENIC RIVER	SEGMENT #	DESCRIPTION
Schuylkill River	1	SCHUYLKILL RIVER; from Port Clinton (Forks) to Cross Keys (Bridge).
Schuylkill River	2	SCHUYLKILL RIVER; from Cross Keys (Bridge) to Reading (Route 422 above Fritz Island).
Schuylkill River	3	SCHUYLKILL RIVER; from Reading (Route 422 Bridge over Fritz Island) to Douglassville (Bridge).
Schuylkill River	4	SCHUYLKILL RIVER; from Douglassville (Bridge) to Fairmount Dam.
Schuylkill River	5	WEST BRANCH SCHUYLKILL RIVER; from Route 209 (Highway) to Cressona Route 183 (Bridge).
Schuylkill River	6	SCHUYLKILL RIVER; from Cressona Route 183 (Bridge) to Auburn Basin (Spillway).
Schuylkill River	7	SCHUYLKILL RIVER; from Auburn Basin (Spillway) to Port Clinton (Forks).
Schuylkill River	8	LITTLE SCHUYLKILL RIVER; from Port Clinton (Forks) to New Ringgold Route 895 (Bridge).
Stony Creek	1	STONY CREEK and the three tributary streams; Rattling Run, Yellow Springs and Rausch Creek from headwaters in Lebanon County to the PA Game Lands 211 gate at Ellendale Forge.
Lehigh River	1	LEHIGH RIVER; from Francis E. Walter Dam to Benchmark 548 at Bear Mountain, Jim Thorpe, PA.
Lehigh River	2	BLACK (HAYES) CREEK; from Fourth Run to confluence with the Lehigh River.
Lehigh River	3	SANDY RUN; from the old railroad crossing to confluence with the Lehigh River.
Lehigh River	4	HICKORY RUN; from Hickory Run Lake to confluence with the Lehigh River.
Lehigh River	5	LESLIE RUN; from Poor Man's Pond to confluence with the Lehigh River.
Lehigh River	6	MUD RUN; from Panther Creek to confluence with the Lehigh River.
Lehigh River	7	DRAKES CREEK; from junction with unnamed tributary below Christmans, PA to confluence with the Lehigh River.
Lehigh River	8	STONY CREEK; from Yellow Run to confluence with the Lehigh River.
Lehigh River	9	BLACK CREEK; from Quakake Creek to confluence with the Lehigh River.
Lehigh River	10	BEAR CREEK; from unnamed tributary, below Bear Creek Dam to confluence with the Lehigh River.
Lehigh River	11	LITTLE BEAR CREEK; from headwaters to confluence with the Lehigh River.
Lehigh River	12	GLENN ONOKO FALLS; from headwaters to confluence with the Lehigh River.
Lehigh River	13	JEANS RUN; from headwaters to confluence with Nesquehoning Creek
Lehigh River	14	NESQUEHONING CREEK; from confluence with Jeans Run to confluence with the Lehigh River.
French Creek	1	FRENCH CREEK; from Hopewell Lake to 1 mile downstream of Snowdens Bridge.
French Creek	2	SOUTH BRANCH FRENCH CREEK; from headwaters to confluence with French Creek.
French Creek	3	PINE CREEK; from headwaters to confluence with French Creek.
French Creek	4	ROCK RUN; from Harmonyville Road to confluence with French Creek.
French Creek	5	BEAVER RUN; from Fairview Road & Route 100 to confluence with French Creek.
French Creek	6	WEST BRANCH BIRCH RUN; from Shady Lane Road to confluence with Birch Run.
French Creek	7	BIRCH RUN; from headwaters to confluence with French Creek.
Lick Run	1	LICK RUN; from headwaters to PA Game Lands 89 gate at Farrandsville, PA.
Lick Run	2	WEST BRANCH LICK RUN; from headwaters to confluence with Lick Run
Lick Run	3	ROBBINS RUN; from headwaters to confluence with Lick Run.
Lick Run	4	CAMPBELL RUN; from PA Game Lands 89 boundary to confluence with Lick Run.
Lick Run	5	STAVES RUN; from Hazard Road crossing to confluence with Lick Run.
Lick Run	6	CRAIG FORK; from Hazard Road crossing to confluence with Lick Run.
Octoraro Creek	1	OCTORARO CREEK; from Pine Grove Covered Bridge to PA/MD state line, including the 0.4 mile horseshoe bend in Chester County, at the state line.
Octoraro Creek	2	EAST BRANCH OCTORARO CREEK; from Township Routes 414 (Chester Co.) and 455 (Lancaster Co.) and the bridge to LR 15058 (Steelville Road).

SCENIC RIVER	SEGMENT #	DESCRIPTION
Octoraro Creek	3	EAST BRANCH OCTORARO CREEK; from LR 15058 (Steelville Road) to LR 15025 (Eden Road).
Octoraro Creek	4	WEST BRANCH OCTORARO CREEK; from Meetinghouse Creek to confluence with Bowery Run.
Octoraro Creek	5	WEST BRANCH OCTORARO CREEK; from the Octoraro Water Company Dam to LR 36010 (Puseyville Rd)
Octoraro Creek	6	WEST BRANCH OCTORARO CREEK; from LR 36010 (Puseyville Road) to Octoraro Lake.
Octoraro Creek	7	STEWART RUN; from 2 miles upstream to confluence with West Branch Octoraro Creek.
LeTort Spring Run	1	LeTORT SPRING RUN; from Route 34 bridge to abandoned Reading Railroad bridge adjacent to LeTort Park, including Left Branch LeTort Spring Run from its source to confluence with the main stem.
LeTort Spring Run	2	LeTORT SPRING RUN; from abandoned Reading Railroad bridge adjacent to LeTort Park to Post Road, including mill race from Henderson Avenue to confluence with the main stem.
LeTort Spring Run	3	LeTORT SPRING RUN; from Post Road to confluence with Conodoguinet Creek.
Bear Run	1	BEAR RUN; from where the stream becomes perennial to the eastern edge of the tunnel under the B & O R/R grade.
Bear Run	2	BEAVER RUN; from the Tree/Teaberry Trail to confluence with Bear Run.
Tucquan Creek	1	TUCQUAN CREEK; from headwaters near Rawlinsville, PA to confluence of Clark Run.
Tucquan Creek	2	CLARK RUN; from headwaters at Mount Nebo, PA to confluence with Tucquan Creek.
Tucquan Creek	3	TUCQUAN GLEN (SEVEN STREAMS); from River Road (SR 3017) to confluence with the Susquehanna River.
Lower Brandywine Creek	1	BRANDYWINE CREEK; from the confluence of the East and West Branches Brandywine Creek to the PA/DE stateline, including the 1.1 mile horseshoe bend, Chester County, PA.
Lower Brandywine Creek	2	POCOPSON CREEK; from SR 842 to confluence with Brandywine Creek.
Lower Brandywine Creek	3	EAST BRANCH BRANDYWINE CREEK; from the Norfolk-Southern (formerly Penn Central) R/R overpass to confluence with Brandywine Creek.
Lower Brandywine Creek	4	VALLEY CREEK; from the Norfolk-Southern (formerly Penn Central) R/R overpass to confluence with East Branch Brandywine Creek.
Lower Brandywine Creek	5	WEST BRANCH BRANDYWINE CREEK; from the Wawaset Bridge to confluence with Brandywine Creek.
Lower Brandywine Creek	6	WEST BRANCH BRANDYWINE CREEK; from a point 1600 feet downstream of Modena Borough Boundary to Wawaset Bridge, including 1.8 miles of Green Valley Stream and 2.2 miles of an unnamed tributary in Newlin Township, from Glenhall to Cannery Road.
Lower Brandywine Creek	7	BROAD RUN; from Beacon Hill Road to confluence with West Branch Brandywine Creek.
Lower Brandywine Creek	8	BUCK RUN; from 1.4 miles upstream of Log Cabin Road to confluence with West Branch Brandywine Creek.
Lower Brandywine Creek	9	DOE RUN; from Fernwood Road to confluence with Buck Run.
Yellow Breeches Creek	1	YELLOW BREECHES CREEK; from SR 2004 bridge at Bowmansdale, PA to confluence with the Susquehanna River
Yellow Breeches Creek	2	YELLOW BREECHES CREEK; from the backwater of Big Pond on Hairy Springs Hollow to SR 2004 at Bowmansdale, PA.
Yellow Breeches Creek	3	HAIRY SPRINGS HOLLOW; from its headwaters to the backwater of Big Pond.
Tulpehocken Creek	1	TULPEHOCKEN CREEK; from its headwaters near Kimmerlings Church, North Lebanon Township to Ramona Road (Township Road 560), Jackson Township.
Tulpehocken Creek	2	TULPEHOCKEN CREEK; from western boundary of property now or formerly owned by Carl Sensenig to SR 4010 bridge, at the entrance to Heidelberg

SCENIC RIVER	SEGMENT #	DESCRIPTION
		Country Club.
Tulpehocken Creek	3	TULPEHOCKEN CREEK; from the basr of Blue Marsh Dam to confluence with the Schuylkill River.
Tulpehocken Creek	4	CACOOSING CREEK; from State Hill Road bridge (SR 3023) to confluence with Tulpehocken Creek.
Pine Creek	1	PINE CREEK; from Marsh Creek to confluence with Fourmile Run.
Pine Creek	2	PINE CREEK; from Fourmile Run to confluence with Jerry Run.
Pine Creek	3	PINE CREEK; from Jerry Run to the Tioga/Lycoming County line.
Pine Creek	4	FOURMILE RUN; from Painter/Leetonia Road crossing to confluence with Pine Creek.
Pine Creek	5	RIGHT BRANCH FOURMILE RUN; from the Gaines/Shippen Township line to confluence with Fourmile Run.
Pine Creek	6	CAMPBELL RUN; from the Pine Creek Gorge Natural Area Boundary to confluence with Pine Creek
Pine Creek	7	PINE ISLAND RUN; from the Pine Creek Gorge Natural Area Boundary to confluence with Pine Creek.



COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 and  
 U.S. ARMY CORPS OF ENGINEERS

## ENVIRONMENTAL ASSESSMENT FORM (E.A. Form)

### PART 1 - RESOURCE IDENTIFICATION

**1. Indicate water resources which exist on the project site.**

Name of streams(s) and/or body of water (including wetlands) \_\_\_\_\_

\_\_\_\_\_

Size of body of water (in acres) \_\_\_\_\_

**Wetland** - If wetlands are present at the project site, provide the following information relative to the person(s) or organization performing the wetland identification, delineation and related work:

\_\_\_\_\_

Name

\_\_\_\_\_

Organization/Company

\_\_\_\_\_

Address

\_\_\_\_\_

Telephone

### QUALIFICATIONS

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

If wetlands are present, attach a copy of the wetland delineation report identified and labeled as **Enclosure A**. Include all field data sheets, denote the size (in acres) of the wetland. If this information details any physical information or features not shown in the "site plan" please attach additional plans which illustrate these features.

**Enclosure A**

PART 1 - RESOURCE IDENTIFICATION (continued)		YES	NO		
<b>2. Is the site located within or adjacent to any of the following? Please mark either the "yes" or "no" column for each question.</b>					
A. National, state or local park, forest or recreation area		<input type="checkbox"/>	<input type="checkbox"/>		
B. Natural, wild, or wilderness area		<input type="checkbox"/>	<input type="checkbox"/>		
C. National natural landmark		<input type="checkbox"/>	<input type="checkbox"/>		
D. National wildlife refuge, or Federal, state, local or private wildlife or plant sanctuaries		<input type="checkbox"/>	<input type="checkbox"/>		
E. State Game Lands		<input type="checkbox"/>	<input type="checkbox"/>		
F. Areas identified as prime farmland		<input type="checkbox"/>	<input type="checkbox"/>		
If not included in the permit application package, please attach a map (e.g. 1:2400 scale or greater) indicating the location of the project, all water resources and the features identified above. Label the map as <u>Enclosure B</u> .		<b>ENCLOSURE B</b>			
3. Is the water resource listed as stocked waters by the Pennsylvania Fish and Boat Commission?		<input type="checkbox"/>	<input type="checkbox"/>		
4. Is the water resource designated as a wild trout stream by the Pennsylvania Fish and Boat Commission?		<input type="checkbox"/>	<input type="checkbox"/>		
5. Is the water resource listed as High Quality or Exceptional Value in Title 25 Pa. Code Chapter 93?		<input type="checkbox"/>	<input type="checkbox"/>		
Indicate the stream classification found in Chapter 93. Classification _____					
6. Is the water resource designated as a National Wild or Scenic River or as part of the Commonwealth's Scenic Rivers System or classified as priority 1-A for inclusion in the system?		<input type="checkbox"/>	<input type="checkbox"/>		
7. Is the water resource part of or located along a private or public water supply?		<input type="checkbox"/>	<input type="checkbox"/>		
<b>(IF COMPLETING A SMALL PROJECT APPLICATION ADVANCE TO PART 3)</b>					
8. Provide a written narrative, identified and labeled as " <u>Enclosure C - Description of Aquatic Habitat</u> ," discussing the following ecological functions:		<b>E N C L O S U R E  C</b>			
A. Aquatic habitats including:					
(1) Food chain production					
(2) General habitat					
a. Nesting                      e. Migration b. Spawning                  f. Feeding c. Rearing                      g. Escape Cover d. Resting                      h. Other					
(3) Habitat for threatened and endangered plant and animal species (Discuss results of Supplement Form #1)					
(4) Environmental Study Areas					
a. Sanctuaries b. Refuges					
(5) If project proposes a stream relocation, a stream enclosure, or dredging, provide a description of the instream macroinvertebrate community.					

PART 1 - RESOURCE IDENTIFICATION (continued)		ENCLOSURE C
B. Water Quantity and Streamflow		
(1) Natural drainage patterns		
(2) Flushing characteristics		
(3) Current patterns		
(4) Groundwater discharge for baseflow		
(5) Natural recharge area for ground and surface waters		
(6) Storm and floodwater storage and control		
C. Water Quality		
(1) Preventing Pollution		
(2) Sedimentation control and patterns		
(3) Salinity distribution		
(4) Natural water filtration		
D. Recreation		
(1) Game Species		
(2) Non Game Species		
(3) Fishing		
(4) Hiking		
(5) Observation (plant/wildlife)		
(6) Other		
E. Upstream and Downstream Property		
F. Other Environmental Factors Determined by Site Investigation		
PART 2 - PROJECT DESCRIPTION		ENCLOSURE D
9. <b><u>Project Impacts</u></b>		
For impacts to regulated waters of the Commonwealth, answer fully, completely and in detail the following questions; attach and label as <b><u>Enclosure D</u></b> .		
A. Discuss the impacts on:		
(1) National, state or local park, forest or recreation area		
(2) Natural, wild, or wilderness area		
(3) National, state, or local historic site		
(4) National natural landmark		
(5) National wildlife refuge		
(6) Cultural or archaeological landmarks		
(7) State Game Lands		

PART 2 - PROJECT DESCRIPTION (continued)		<div style="writing-mode: vertical-rl; transform: rotate(180deg);"> ENCLOSURE  Project Impacts </div>
(8) Federal, state, local or private plant or wildlife sanctuaries		
(9) Areas identified as prime farmland		
B. Discuss the environmental impacts on:		
(1) Aquatic habitats including:		
a. Food Chain production		
b. General habitat		
(1) Nesting	(5) Migration	
(2) Spawning	(6) Feeding	
(3) Rearing	(7) Escape Cover	
(4) Resting	(8) Other	
c. Habitat for threatened and endangered plant and animal species		
d. Environmental Study Areas		
(1) Sanctuaries		
(2) Refuges		
(2) Water Quantity and Streamflow		
a. Natural drainage patterns		
b. Flushing characteristics		
c. Current patterns		
d. Groundwater discharge for baseflow		
e. Natural recharge area for ground and surface waters		
f. Storm and floodwater storage and control		
(3) Water Quality		
a. Preventing Pollution		
b. Sedimentation control and patterns		
c. Salinity distribution		
d. Natural water filtration		
(4) Recreation		
a. Game Species		
b. Non Game Species		
c. Fishing		
d. Hiking		
e. Observation (wildlife)		
f. Other		
(5) Upstream and downstream property		
(6) Other Environmental Factors		



**PART 2 - PROJECT DESCRIPTION** (continued)**E  
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- C. Identify all environmental impacts on other adjacent land and water resources associated with the construction, modification or operation of the dam, reservoir, water obstruction, or encroachment in the area of the project.
- D. Identify and evaluate the potential cumulative environmental impacts of this project and other potential or existing projects like it, and the impacts that may result through numerous piecemeal changes to the resource.
- E. Identify and describe all other dams, water obstructions or encroachments which may or will be needed, in addition to those described in this Application, to fulfill the purpose of the current project.

**PART 3 - CERTIFICATION**

I certify that the above statements, attachments including those labeled and identified as Enclosures, and all conclusions are true, correct, and based upon current environmental principles and science, to the best of my knowledge and belief.

\_\_\_\_\_  
Signature of Person Completing  
the Environmental Assessment Form

\_\_\_\_\_  
Date

The Department may waive a specific information requirement in writing, at the request of the Applicant, during the pre-application review process if the Department determines that specific information is not necessary to review the application.